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Substitute for form 1449A/PTO

APR 08 2004

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/790,908
Filing Date	March 2, 2004
First Named Inventor	Paul D. Ringgenberg
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	2003-IP-011866 U1 USA

Sheet 1 of 4

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

7/31/66

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/088 (08-00)
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U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/790,908
		Filing Date	March 2, 2004
		First Named Inventor	Paul D. Ringgenberg
		Group Art Unit	Unassigned
		Examiner Name	Unassigned
		Attorney Docket Number	2002-IP-011866 U1 USA
Sheet	2	of	4

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ²	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
cp		INTELLIGENT WELLS, "OPTICAL FIBER TECHNOLOGY," dated OCTOBER, 2002	
		INTELLIGENT WELLS, "OIL FIELD APPLICATIONS OF HYDROPTICS TECHNOLOGY," dated OCTOBER, 2002	
		WORLD OIL, "WORLD'S FIRST MULTIPLE FIBER-OPTIC INTELLIGENT WELL," dated MARCH, 2003	
		UNDERWATER MAGAZINE, "UNDERWATER MATEABLE CONNECTORS IN THE MILITARY AND TELECOM SECTORS," dated SEPTEMBER/OCTOBER, 2002	
		SEA TECHNOLOGY, "THE RUGGEDIZATION OF HYBRID WET-MATE CONNECTORS," dated JULY, 2000	
		SEA TECHNOLOGY, "OPTICAL FIBER AND CONNECTORS: CRITICAL FOR FUTURE SUBSEA SYSTEMS," undated	
		OTC 15323, "THE DEVELOPMENT AND APPLICATION OF HT/HP FIBER-OPTIC CONNECTORS FOR USE ON SUBSEA INTELLIGENT WELLS," dated 2003	
		JOURNAL OF PETROLEUM TECHNOLOGY, "DEVELOPMENT OF HP/HT FIBER-OPTIC CONNECTORS FOR SUBSEA INTELLIGENT WELLS," dated AUGUST, 2003	
		SEA TECHNOLOGY, "HYBRID WET-MATE CONNECTORS: 'WRITING THE NEXT CHAPTER'," dated JULY, 1997	
		TRONIC, "TRONIC FIBRE OPTIC WELLHEAD FEEDTHROUGH CONNECTORS," undated	
		TRONIC, "FIREFLY PROJECT," undated	

Examiner Signature		Date Considered	1/31/06
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	Attorney Docket Number	2003-IP-011866 U1 USA		
Sheet	3	of	4	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		OTC 13235, "EXTENDING TIEBACK DISTANCES: WET-MATE CONNECTORS, ENABLING TECHNOLOGIES FOR CRITICAL SYSTEMS DEVELOPMENTS," dated 2001	
		OCEAN DESIGN, "UNDERWATER MATEABLE CONNECTORS: ENABLING TECHNOLOGY AND THE NEXT STEP IN PERFORMANCE FOR NAVY AND TELECOM APPLICATIONS," PRESENTED AT UNDERWATER INTERVENTION CONFERENCE, 2002	
		W MAGAZINE, "INTELLIGENT WELL COMPLETION, THE NEXT STEPS," dated SEPTEMBER, 2002	
		PRODUCTION OPTIMIZATION, "INTELLIGENT COMPLETIONS," undated	
		SEACON, "MICROSTAR, 4-CHANNEL, WET-MATE, OPTICAL CONNECTOR," undated	
		OCEAN DESIGN, INC., "OCEAN DESIGN INTRODUCES NEW I-CONN PRODUCT LINE," dated JULY 22, 2002	
		WEATHERFORD, "INTELLIGENT WELL BRIEFING," dated MAY 14, 2003	
		"PIONEERING FIBRE OPTIC COMPLETION INSTALLATION IN THE MAHOGANY FIELD, OFFSHORE TRINIDAD," undated	
		PES, "MODEL FO FIBRE OPTIC ORIENTATING DISCONNECT HEAD," dated OCTOBER 23, 2000	
		SPE 71676, "THE USE OF FIBER-OPTIC DISTRIBUTED TEMPERATURE SENSING AND REMOTE HYDRAULICALLY OPERATED INTERVAL CONTROL VALVES FOR THE MANAGEMENT OF WATER PRODUCTION IN THE DOUGLAS FIELD," dated 2001	
	SPE 84324, "BRUNEI FIELD TRIAL OF A FIBRE OPTIC DISTRIBUTED TEMPERATURE SENSOR (DTS) SYSTEM IN A 1,000 m OPEN HOLE HORIZONTAL OIL PRODUCER," dated 2003		

Examiner Signature		Date Considered	1/31/06
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				First Named Inventor	Paul D. Ringgenberg
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
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Sheet	4	of	4		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Sheet	1	of	2	Application Number	10/790,908
				Filing Date	March 2, 2004
				First Named Inventor	Paul D. Ringgenberg
				Group Art Unit	2874
				Examiner Name	Unassigned
				Attorney Docket Number	2003-IP-011866 U1 USA

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
P		6,684,950		Patel	02-03-2004	
		6,332,787		Barlow, et al.	12-25-2001	
		6,186,229		Martin, et al.	02-13-2001	
		4,134,455		Read	01-16-1979	
		5,727,630		Brammer	03-17-1998	
		6,378,610		Rayssiguier, et al.	04-30-2002	
		6,302,203		Rayssiguier, et al.	10-16-2001	
		5,947,198		McKee, et al.	09-07-1999	
		5,251,708		Perry, et al.	10-12-1993	
		6,062,073		Patton, et al.	05-16-2000	
		5,831,156		Mullins	11-03-1998	
		6,568,481		Koehler, et al.	05-27-2003	
		5,645,438		Caims	07-08-1997	
		6,736,545		Caims, et al.	05-18-2004	
		5,778,978		Crow	07-14-1998	
		6,349,770		Brooks, et al.	02-26-2002	
		5,048,610		Ross, et al.	09-17-1991	
		2003/0192708		Koehler, et al.	10-16-2003	
		2002/0125008		Wetzel, et al.	09-12-2002	
		2002/0014340		Johnson	02-07-2002	

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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Signature

Date
Considered

1/31/06

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

2

of

2

Complete if Known

Application Number	10/790,908
Filing Date	March 2, 2004
First Named Inventor	Paul D. Ringgenberg
Group Art Unit	2874
Examiner Name	Unassigned
Attorney Docket Number	2003-IP-011866 U1 USA

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
99		Office Action for Serial number 10/680,053 dated June 11, 2004	
		U.S. Patent application Serial number 10/680,053 filed October 7, 2003	
		U.S. Patent application Serial number 10/828,085 filed April 20, 2004	
		U.S. Patent application Serial number 10/680,625 filed October 7, 2003	
		U.S. Patent application Serial number 10/680,440 filed October 7, 2003	
		The Expro Group brochure, "Tronic Fibre Optic Wellhead Feedthrough Connectors", undated	
		Seacon brochure, "Fiber Optic Connectors", undated	
		Ocean Design, Inc. brochure, "NRH Connector", undated	
		Ocean Design, Inc. brochure, "Hybrid Wet-Mate", 2000	
		Ocean Design, Inc. brochure, "I-CONN; Wet-Mateable Optical Connector", 2000	
	Seacon Advanced Products data sheets, pgs. 22-1 through 22-20		

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Signature

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Sheet 1 of 1

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Filing Date	March 2, 2004
First Named Inventor	Paul D. Ringgenberg
Group Art Unit	2874
Examiner Name	Unassigned
Attorney Docket Number	2003-IP-011866 U1 USA

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Signature**

Date
Considered $1/31/66$

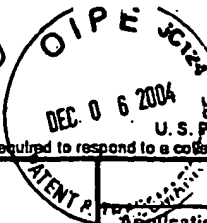
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(use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

Application Number	10/790,908
Filing Date	October 7, 2003
First Named Inventor	Tommy Grigsby
Group Art Unit	3672
Examiner Name	Jennifer Hawkins Gey
Attorney Docket Number	2003-IP-009526 U1 USA

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
22		U.S. Patent application Serial number 10/828,085 filed April 20, 2004	
		U.S. Patent application Serial number 10/680,625 filed October 7, 2003	
		U.S. Patent application Serial number 10/680,440 filed October 7, 2003	
		U.S. Patent application Serial number 10/790,908 filed March 2, 2004	
		The Expro Group brochure, "Tronic Fibre Optic Wellhead Feedthrough Connectors", undated	
		Seacon brochure, "Fiber Optic Connectors", undated	
		Ocean Design, Inc. brochure, "NRH Connector", undated	
20		Ocean Design, Inc. brochure, "Hybrid Wet-Mate", 2000	
		Ocean Design, Inc. brochure, "I-CONN; Wet-Matable Optical Connector", 2000	
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Meet	1	of	1
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Filing Date	October 7, 2003
First Named Inventor	Tommy Grigsby
Group Art Unit	3672
Examiner Name	Unassigned
Attorney Docket Number	2003-IP-009526 U1 USA

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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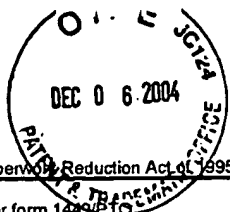
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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
DP		US- 6,766,853	07-27-2004	Restarick, et al.	
		US- 6,684,950	02-03-2004	Patel	
		US- 6,017,227	01-25-2000	Cairns, et al.	
		US- 4,756,595	07-12-1988	Braun, et al.	
		US- 6,666,274	12-23-2003	Hughes	
		US- 2004/0173350	09-09-2004	Wetzel, et al.	
		US- 2002/0125008	09-12-2002	Wetzel, et al.	
		US- 2003/0213598	11-20-2003	Hughes	
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FOREIGN PATENT DOCUMENTS

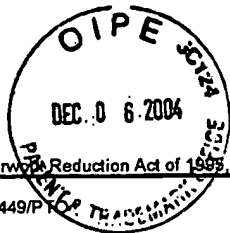
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	† ⁶
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/790,908
Filing Date	March 2, 2004
First Named Inventor	Paul D. Ringgenberg
Art Unit	2874
Examiner Name	Unassigned
Attorney Docket Number	2003-IP-011866 U1USA

Sheet 1 of 2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6,478,091	11-12-2002	Gano	
		US- 6,527,052	03-04-2003	Ringgenberg, et al.	
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

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1/31/06

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		Application Number	10/790,908
		Filing Date	March 2, 2004
		First Named Inventor	Paul D. Ringgenberg
		Art Unit	2874
		Examiner Name	Unassigned
Sheet 2	of 2	Attorney Docket Number	2003-IP-011866 U1USA

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CP		Office Action for serial number 10/680,625 dated January 26, 2005	

Examiner Signature		Date Considered	1/31/06
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First Named Inventor	Paul D. Ringgenberg
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Examiner Name	Unassigned
Attorney Docket Number	2003-IP-011866 U1 USA

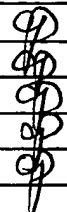
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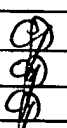
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U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
		US- 4,483,584	11-20-1984	Gresty	
		US- 4,887,883	12-19-1989	Darbut, et al.	
		US- 5,645,483	07-08-1997	Cushman	
		US- 6,758,272	07-06-2004	Bixenman, et al.	
		US- 2004/0256137	12-23-2004	Bertini, et al.	
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		GB 2318397	04-22-1998	ABB Seatec Ltd.		
		WO 86/02173	04-10-1986	Lockheed Corporation		
		WO 03/046428	06-05-2003	Festo Ag & Co.		

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/790,908		
		Filing Date	March 2, 2004		
		First Named Inventor	Paul D. Ringgenberg		
		Art Unit	2874		
		Examiner Name	Unassigned		
Sheet	2	of	2	Attorney Docket Number	2003-IP-011866 U1 USA

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EP		Search Report for United Kingdom application no. GB 0507890.2	
JP		Office Action for serial number 10/680,053 dated March 8, 2005	

Examiner Signature		Date Considered	1/31/06
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/790,908
Filing Date	March 2, 2004
First Named Inventor	Paul D. Ringgenberg
Art Unit	2874
Examiner Name	Unassigned
Attorney Docket Number	2003-IP-011866 U1 USA

Sheet

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of

1

Attorney Docket Number

2003-IP-011866 U1 USA

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Signature**

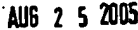
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Substitute for form 4449-RTS-

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Sheet	1	of	2
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Application Number	10/790,908
Filing Date	March 2, 2004
First Named Inventor	Paul D. Ringgenberg
Art Unit	2874
Examiner Name	
Attorney Docket Number	2003-IP-011866 U1 USA

U. S. PATENT DOCUMENTS

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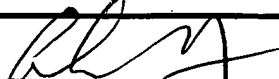
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/790,908		
		Filing Date	March 2, 2004		
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		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	2003-IP-011866 U1 USA

NON PATENT LITERATURE DOCUMENTS			
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P		Search Report for PCT/US04/01863	
		Search Report for PCT/US04/01856	
		U.S. Patent application Serial number 10/873,849 filed June 22, 2004	
		Norfolk Wire & Electronics, "Optical Fiber Splice Protectors – FSP", dated 2003	
		Office Action for Serial number 10/680,625 dated June 27, 2005	
		Office Action for Serial number 10/680, 440 dated July 6, 2005	
		Office Action for Serial number 10/680,053 dated July 6, 2005	

Examiner Signature		Date Considered	1/31/06
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First Named Inventor	Paul D. Ringgenberg
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Sheet

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of

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Attorney Docket Number

2003-IP-011866 U1 USA

NON PATENT LITERATURE DOCUMENTS

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CP		US- 4,442,893	04-17-1984	Foust	
		US- 4,375,237	03-01-1983	Churchman	
		US- 5,577,925	11-26-1996	Schnatzmeyer, et al.	
		US- 4,921,438	05-01-1990	Godfrey, et al.	
		US- 4,624,309	11-25-1986	Schnatzmeyer	
		US- 4,757,859	07-19-1988	Schnatzmeyer	
		US- 4,825,946	05-02-1989	Schnatzmeyer	
		US- 4,828,027	05-09-1989	Schnatzmeyer	
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Sheet	1	of	1
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PD		Halliburton presentation entitled, "DTS Conceptual Completions", December 3, 2002.	
PD		Halliburton presentation entitled, "Greater Plutonio Completions Workshop", March 12, 2003	
PD		Office action for serial number 10/680,053 dated October 21, 2005	

Examiner Signature		Date Considered	1/31/08
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